

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

gfw

Applicant: Zhiping Yin et al.

Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES

Docket No.: 303.864US1

Filed: September 12, 2003

Examiner: Unknown

Serial No.: 10/661379

Due Date: N/A

Group Art Unit: 2661




MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (1 pg.).
- ☒ A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 1 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

By:   
Atty: Viet V. Tong  
Reg. No. 45,416

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 24TH day of May, 2004.

JAMES KANYUSIK  
Name

  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)



S/N 10/661379

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zhiping Yin et al. Examiner: Unknown  
Serial No.: 10/661379 Group Art Unit: 2661  
Filed: September 12, 2003 Docket: 303.864US1  
Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN  
SEMICONDUCTOR DEVICES

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:


<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/661100	September 12, 2003	303.869US1	MASKING STRUCTURE HAVING MULTIPLE LAYERS INCLUDING AN AMORPHOUS CARBON LAYER
10/789736	February 27, 2004	303.885US1	TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES

Respectfully submitted,

ZHIPING YIN ET AL.

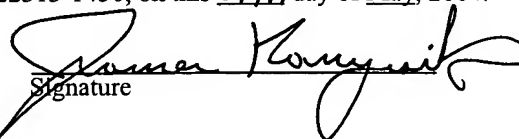
By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6969

Date 5/24/04 By   
Viet V. Tong  
Reg. No. 45,416

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 29TH day of May, 2004.

JAMES KANYUSIK  
Name

  
Signature

S/N 10/661379



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Zhiping Yin et al. Examiner: Unknown  
Serial No.: 10/661379 Group Art Unit: 2661  
Filed: September 12, 2003 Docket: 303.864US1  
Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN  
SEMICONDUCTOR DEVICES

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Serial No :10/661379

Filing Date: September 12, 2003

Title: TRANSPARENT AMORPHOUS CARBON STRUCTURE IN SEMICONDUCTOR DEVICES

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Dkt: 303.864US1

Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).


Respectfully submitted,

ZHIPING YIN ET AL.

By their Representatives,

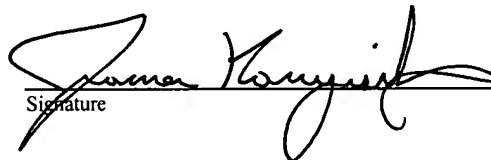
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6969

Date 5/24/04

By   
Viet V. Tong  
Reg. No. 45,416

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 24th day of May, 2004.

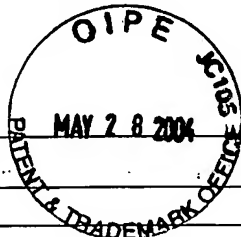
JAMES KANYUSIK  
Name

  
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number 10/661379

Filing Date September 12, 2003

First Named Inventor Yin, Zhiping

Group Art Unit 2661

Examiner Name Unknown

Sheet 1 of 2

Attorney Docket No: 303.864US1

**US PATENT DOCUMENTS**

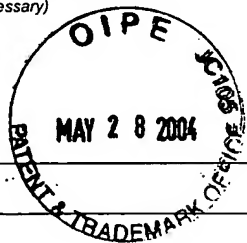
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2001/0011730	08/09/2001	Saeki	257	79	02/08/2001
	US-2001/0017153	08/30/2001	Kubota, et al.	136	256	12/21/2000
	US-2002/0100696	08/01/2002	Sano, et al.	205	333	01/17/2002
	US-4,849,642	07/18/1989	Katsumi,	250	492.2	12/10/1987
	US-4,971,853	11/20/1990	Chaiken, et al.	428	172	05/04/1988
	US-5,324,365	06/28/1994	Niwa	136	256	09/22/1992
	US-5,369,040	11/29/1994	Halvis, J., et al.	437	3	04/12/1993
	US-5,420,043	05/30/1995	Kaisha	437	4	02/17/1994
	US-5,431,800	07/11/1995	Kirchhoff	204	290	11/05/1993
	US-5,437,961	08/01/1995	Yano, et al.	430	316	06/21/1994
	US-5,496,752	03/05/1996	Nasu, et al.	437	41	06/01/1995
	US-5,578,501	11/26/1996	Niwa	437	2	03/10/1995
	US-5,589,307	12/31/1996	Tacheuchi	430	49	05/26/1995
	US-5,723,029	03/03/1998	Shimoyama	204	242	03/28/1997
	US-5,733,713	03/31/1998	Yano, et al.	430	316	04/21/1995
	US-5,750,316	05/12/1998	Kawamura, et al.	430	311	03/15/1995
	US-6,107,734	08/22/2000	Tanaka, et al.	313	506	09/28/1998
	US-6,128,868	10/10/2000	Ohtsuka, et al.	52	173.3	09/03/1997
	US-6,140,570	10/31/2000	Kariya	136	256	10/28/1998
	US-6,140,652	10/31/2000	Schlepr et al.	250	440.11	09/09/1998
	US-6,221,535	04/24/2001	Cox et al.	430	1	05/12/1998
	US-6,300,631	10/09/2001	Shofner	250	311	10/07/1999
	US-6,346,184	02/12/2002	Sano, et al.	205	199	05/08/1998
	US-6,350,997	02/26/2002	Saeki	257	102	04/21/1999
	US-6,394,109	05/28/2002	Somekh	134	39	04/13/1999
	US-6,420,095	07/16/2002	Kawamura, et al.	430	313	12/20/1999
	US-6,427,703	08/06/2002	Somekh	134	1.1	02/22/2000
	US-6,444,899	09/03/2002	Kubota, et al.	136	256	12/21/2000
	US-6,483,127	11/19/2002	Saeki	257	96	02/08/2001
	US-6,583,481	06/24/2003	Itoh	257	433	04/19/2001
	US-6,613,603	09/02/2003	Sano	438	72	07/21/1998

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/661379
	Filing Date	September 12, 2003
	First Named Inventor	Yin, Zhiping
	Group Art Unit	2661
	Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket No: 303.864US1	



OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PELTON, MATTHEW , et al., "The optical absorption edge of diamond-like carbon: A quantum well model", <u>Journal of Applied Physics</u> , 83(2), (January 15, 1998), 1029-35	

EXAMINER

DATE CONSIDERED